
OPERATING MANUAL

CW20®

**Hand Held
Metal Detector**





DETECTOR FEATURES

1. Quick-Change Battery Compartment

Use a coin or screwdriver to open compartment.
Insert circular cam lock and twist to secure in closed position.

2. All-Metal Detection

Detects all types of metals.
Will not detector non-metallic objects or weapons that do not contain metal.

3. Momentary Low Detection

While holding down the "Momentary Low" switch, the detection range will be reduced.

- a) Very small metal objects, such as the metal rivets sewn into clothing, will not be detected beyond a range of one inch from the object.

- b) Large environmental metal objects, such as the metal reinforcing bars in floors, will not be detected beyond a range of several inches.

Upon release of the "Momentary Low" switch, the detector will return to Normal Operation.

4. Silent Operation

Position the Silent/Audio switch in the "Silent/Vibrate" position and:

- a) The detector will NOT emit the High-Pitch tone upon the detection of metal objects.
- b) The vibrator will activate upon the detection of a metal object, and the "Target" LED indicator will illuminate.

5. Operating Frequency Selection

Chose from two alternate operating frequencies in the event of electromagnetic interference from other electronic devices.

6. Low Battery Indication

When battery needs to be replaced, Low Battery LED will illuminate.

7. Visual Target Response

Red LED flashes when a metal object is located

8. Comfort Hand Grip

First Time Operation

To Operate the Detector,

- 1) Install the Batteries
 - a. Use a 9-volt ALKALINE battery only (battery not included)
 - b. Install battery with correct polarity
(align "+" on detector housing with "+" on battery)
 - c. The battery cover opens and closes with a coin or screwdriver
- 2) Set the On switch to "ON"
"ON" is the middle position
- 3) Select Audio or Vibrate Mode
- 4) Sweep the Detector over the target area.
Detector must be IN MOTION to detect metal
- 5) Read this manual for proper training in the detection of metal objects

Batteries

Use 9-Volt **ALKALINE** battery only (battery not included)

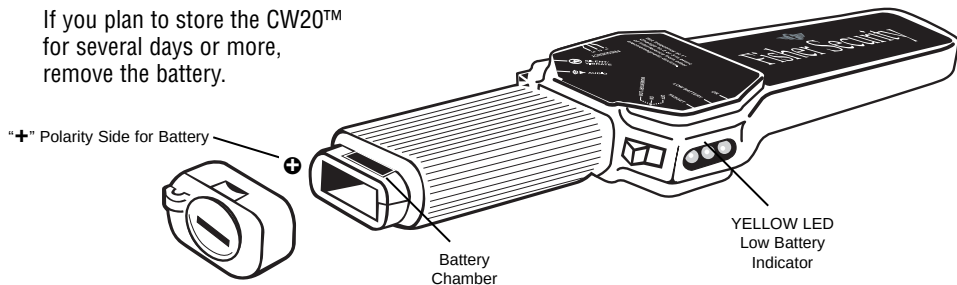
Low Battery Alert

The Yellow LED indicator light will illuminate and remain illuminated before the batteries are discharged to the point at which the detector has lost any of its metal detecting range.

In order to guarantee maximum detection at all times, replace battery as soon as yellow light illuminates.

The detector will continue to operate, at a lower sensitivity, after the Low Battery Indicator is illuminated. Replace batteries as soon as possible after the indicator illuminates.

If you plan to store the CW20™ for several days or more, remove the battery.



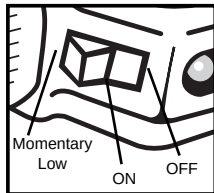
Power Switch with Momentary Low

The Power switch has 2 "ON" positions and a forward "OFF" position.

The detector is OFF with the switch in the "UP" position

The detector is ON with the switch in the "MIDDLE" position

The detector is in **MOMENTARY LOW** operation with the switch held in the "DOWN" position.



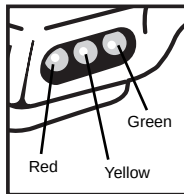
While holding down the "Momentary Low" switch, the detection range will be reduced.

- Very small metal objects, such as the metal rivets sewn into clothing, will not be detected beyond a range of one inch from the object.
- Large environmental metal objects, such as the metal reinforcing bars in floors, will not be detected beyond a range of several inches.

Upon release of the "Momentary Low" switch, the detector will return to Normal Operation

LED Indicators

- The GREEN light indicates that the detector is ON
- The YELLOW light indicates LOW BATTERY
- The RED light indicates the detection of a metal object



Body Scanning for the Detection of Metal Objects

Always test the detector before operation. Sweep the detector across a known metal object, and verify detection with audio, vibratory, and visual feedback.

Motion is Required: The metal detector must be IN MOTION, sweeping across the target area, to detect the presence of metal.

The subject should stand upright, with arms and legs extended.



Sweep the detector over the subject, with a smooth, even motion, about one inch from the body. Avoid making physical contact between the subject and the detector. Press and Hold the "Momentary Low" switch to eliminate interference from the metal bars in floors, or from very small metal objects, such as rivets or zippers sewn into clothing.

CAUTION: Use in the MOMENTARY LOW mode will desensitize the detector. Use the Momentary Low switch only after the detection of metal, and the verification of the absence of a larger metal object

Scanning Personnel in security situations should be properly trained and supervised. This detector will not detect non-metallic objects.

2-YEAR LIMITED WARRANTY

This product is warranted against defects in materials and workmanship under normal use for two years from the date of purchase to the original owner. Damage due to neglect, accidental damage or misuse of this product is not covered under this warranty. Decisions regarding abuse or misuse of the detector are made solely at the discretion of the manufacturer.

Proof of Purchase is required make a claim under this warranty.

Liability under this Warranty is limited to replacing or repairing, at our option, the metal detector returned, shipping cost prepaid to Fisher Labs. Shipping cost to Fisher Labs is the responsibility of the purchaser.

To return your detector for service, please first contact Fisher Labs for a Return Authorization (RA) Number. Reference the RA number on your package and return the detector within 15 days of calling to:

Fisher Research Labs, Inc.
1465-H Henry Brennan Dr.
El Paso, TX 79936
Phone: 915-225-0333 ext. 118

Warranty coverage does not include the cost of transporting the detector for an owner who is located outside of the United States of America. Fisher Research Labs does not warrant suitability for a specific purpose, and shall in no event be liable for any direct, incidental, or consequential damages.

NOTE TO FOREIGN COUNTRY CUSTOMERS

This warranty may vary in other countries, check with your distributor for details. Factory warranty follows the channel of distribution. Warranty does not cover shipping costs.